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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,138	12/29/2000	Markku Verkama	796.379USW1	9196
32294	7590	08/24/2006	EXAMINER	
SQUIRE, SANDERS & DEMPSEY L.L.P.			BACKER, FIRMIN	
14TH FLOOR			ART UNIT	
8000 TOWERS CRESCENT			PAPER NUMBER	
TYSONS CORNER, VA 22182			3621	

DATE MAILED: 08/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/751,138

Applicant(s)

VERKAMA, MARKKU

Examiner

FIRMN BACKER

Art Unit

3621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-16 and 20 is/are allowed.
- 6) ☒ Claim(s) 17-19 and 21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 17-19, 21 are rejected under 35 U.S.C. 102(b) as being anticipate by Kung (U.S. Patent No. 5,442,342).

3. As per claim 17, and 21. Kung teaches an authentication method for a terminal, said method comprising receiving a set of challenges from a telecommunications network, choosing one challenge from the set of challenges, determining a response and a key based on the chosen challenge, determining an authenticator based on the key corresponding to the chosen challenge, and transmitting said authenticator and a data unit to the telecommunications network, said data unit relating to the manner in which the authenticator is formed and notifying the telecommunications network of the chosen challenge (*see column 3 lines 51-6 lines 38*).

4. As per claim 18, Kung teaches an authentication method wherein said data unit is a security parameter index in the registration message of a Mobile IP protocol (*see column 3 lines 51-6 lines 38*).

5. As per claim 19, Kung teaches an authentication method wherein said data unit comprises the response corresponding to the chosen challenge (*see column 3 lines 51-6 lines 38*).

***Allowable Subject Matter***

6. Claims 1-16 and 20 allowed.

***Response to Arguments***

7. Applicant's arguments filed June 17<sup>th</sup>, 2006 have been fully considered but they are not persuasive.
- a. Applicant argues that the prior art (Kung) does not teach or suggest each element recited in the claimed invention. Examiner respectfully disagrees with Applicant's characterization of the prior art. Kung teaches an authentication process wherein the user is required to correctly respond to a set of randomly selected authentication challenges when requesting access. The correct responses may vary between the right response, a wrong response or no response depending on some predetermined variable, e.g., the day of the week or hour of the day. The system employs pairs of authentication boxes, coded cards, passwords and a selection of challenges. Distributing responsibility for authentication between the user node and the computer system permits a user to access different computer systems from a single user node. The only restriction is that the user must possess one or more coded cards generated by the computer(s) to be accessed.

The challenges used are selected at random for each authentication session. Responses to the challenges can also be varied. At one time, a true response may be expected. At another, no answer or a false answer may be the correct response. The pattern of these responses can be varied by basing their selection on a parameter such as day of the week, if desired. Access is granted based on reception of correct responses to the entire set of challenges. Users are required to remember their password and the valid pattern of response to gain access to the system.

### ***Conclusion***

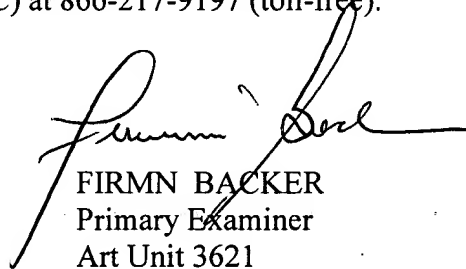
**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FIRMN BACKER whose telephone number is 571-272-6703. The examiner can normally be reached on Monday - Thursday 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on (571) 272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



FIRMN BACKER  
Primary Examiner  
Art Unit 3621

August 20, 2006